

13672

PROCEDURAL GUIDELINES FOR THE DERIVATION OF
SEWAGE TREATMENT WORKS EFFLUENT REQUIREMENTS AND
FOR THE INCORPORATION OF EFFLUENT REQUIREMENTS INTO
CERTIFICATES OF APPROVAL FOR NEW OR EXPANDED SEWAGE TREATMENT WORKS:

APPENDIX 1

COMPLIANCE ASSESSMENT SAMPLING SCHEDULE

This appendix outlines the sampling schedule to be followed in assessing the compliance of the effluent from sewage treatment works with the Certificate of Approval requirements. Non-compliance as determined by this schedule of sampling may lead to legal action at the discretion of the Regional Director.

TYPE OF SEWAGE
TREATMENT WORKS

COMPLIANCE ASSESSMENT
SAMPLING

A. PRIMARY TREATMENT

To be developed on a case-by-case basis.

B. SECONDARY TREATMENT, OR
EQUIVALENT

- Mechanical Plants

1. Minimum of 12 consecutive months analytical results from a minimum of one daily composite effluent sample per month taken as part of routine sampling program* by operating authority, and supplemented by spot composite sampling by MOE staff as deemed necessary.

Non-compliance with respect to effluent concentrations is considered occurring when arithmetic mean of either BOD₅, suspended solids, or phosphorus concentration exceeds the corresponding value as stated in the Certificate of Approval, or the value for previously approved works based upon MOE Policy No. 08-01, "Levels of Treatment For Municipal and Private Sewage Treatment Works Discharging to Surface Waters".

Non-compliance with respect to effluent waste loadings is considered to occur when the arithmetic mean of either BOD₅, suspended solids or phosphorus concentration incorporated with the average daily flow over the sampling period exceeds the corresponding value as stated in the Certificate of Approval, or the value for previously approved works based upon MOE Policy No. 08-01.

and/or

2. Minimum of 7 consecutive daily composite effluent samples conducted when average sewage flow rate not in excess of average flow rate experienced over the previous 12-month period, with non-compliance assessed in the same manner as in 1., above.

- Continuous Discharge Lagoons

1. Minimum of 12 consecutive months analytical results from a minimum of one daily effluent sample (either grab or composite) per month taken as part of routine sampling program* by operating authority, and supplemented by spot sampling by MOE staff as deemed necessary.

Non-compliance with respect to effluent concentrations is considered occurring when arithmetic mean of either BOD₅, suspended solids, or phosphorus concentration exceeds the corresponding value as stated in the Certificate of Approval, or the value for previously approved works based upon MOE Policy No. 08-01, "Levels of Treatment For Municipal and Private Sewage Treatment works Discharging to Surface Waters".

Non-compliance with respect to effluent waste loadings is considered to occur when the arithmetic mean of either BOD₅, suspended solids or phosphorus concentrations incorporated with the avg. daily flow over the sampling period exceeds the corresponding value as stated in the Certificate of Approval, or the value for previously approved works based upon MOE Policy No. 08-01.

and/or

2. Minimum of one grab sample per month over at least 3 consecutive months, with non-compliance assessed in the same manner as in 1., above.

- Seasonal Retention Lagoons (Fill-and-Draw)

1. Minimum of 2 effluent samples (either grab or composite) taken during discharge period as part of routine sampling program* by operating authority, and supplemented by spot sampling program by MOE staff as deemed necessary.

Non-compliance with respect to effluent concentrations is considered occurring when arithmetic mean either BOD₅, SS or Phosphorus concentration exceeds the corresponding value as stated in the Certificate of Approval, or the value for previously approved works based upon MOE Policy No. 08-01, "Levels of Treatment For Municipal and Private Sewage Treatment Works Discharging to Surface Waters".

No compliance with respect to effluent waste loadings is considered to occur when the arithmetic mean of either BOD₅, suspended solids or phosphorus concentration incorporated with the total flow over the discharge period exceeds the corresponding value as stated in the Certificate of Approval, or the value for previously approved works based upon MOE Policy No. 08-01.

and/or 2, Same sampling procedure and non-compliance criteria as 1. above, except that sampling either conducted or supervised by MOE staff.

C. ADVANCED TREATMENT

To be developed on a case-by-case basis.

* Reference: M.O.E. Policy No. 08-06, "Policy to Govern Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works."